Work Orde December-19-12	er ID 94689 2 2:52:40 PM			*92	1689	*			· · · · · · · · · · · · · · · · ·			Page 1
Item ID: Revision ID:	D3255-041 Access Panel Assembl			Accept	*N	900	040	100)* s	etup Star Stoj	1/1	S1* S2*
Item Name:			*0	.	_						· IV	
Start Date: Required Date:		Qty: 2.00 d Qty: 2.00	*2 [*]			ust Item l ustomer:						
Reference:	Neq	u Qiy. 2.00	^ ').	`		ustomer:						
Approvals:	Process Plan:	M	Date: /2-26	2/2 Tooling:		D	ate:	- 	R	tun Star	17	R1*
	QC:	, ,	Date:	SPC (Y/N):		D	ate:			Sto	" *N	R2*
Sequence ID/ Work Center II	Oper: D Descr	ation iption		Set Up/ Run Hou		Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision N	lbr										
D3255	Rev B											13-02
100 *100* Large Fab	Large	Fab Memo		0.00			ı		2			
Large Fab	i !		per Dwg D3255 *** 32-357 2-0		ROD		;					
*110 *110*	QC10-	· Inspect visual po	er QSI004- ground we	lds 0.00	ø		i			12.0	> () ()	DAS
QC Quality Control		Memo		0.00						_13~0	9. <u>00</u>	DAS 09
120	QC5-	Inspect part comp	oleteness to step on W	/O 0.00					-	١٥.		(DAS
120		Memo		0.00			:			13-0	9.06	- (DAS 09 - (DAS

Quality Control

		DQA:	Date:	
D. Voc / No	MODE ODDED NON CONFORMANCE / LIDDATE			

NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

									QA Closea:	Date:	
Work Orde	r:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part N	0				Rework Scrap Use-as-is	The	Skid-tube Machining rmoforming	Crosstube Small Fab Finishing	4	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	0				Work Order Update		Large Fab	Composite	,	Supplier	
Root				Descri	ption of work order update	Initial	Ac	ction	Sign &		
Cause	Date	Step	Qty	•	or Non-conformance	Chief Er	ng Desc	cription	Date	Verification	QC Inspector
Doc/Data					•						
quip/Tooling	_										
Operator]					
Material											
Setup											
Other											
Process		1									
Supplier											
Fraining											
Jnapproved										1	
					F	AULT CA	TEGORY				
Landin	g Gear				General			-	-	_	7
	Bending				Bend	Grain			Ovalized		Pressure/Forced
	Centre No	ot Concer	ntric to (o/s	BOM/Route	Hard	ware		Over/Under	tolerance	Temperature/Cure
 95	Cracks				Broken/Damaged	Inspe	ction Incomplete		Part Incorre	ct	Weld
, , , ,	Crushed/	Crimped.		ļ	Burrs	Instr	uctions Incomplete	/Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs				Contamination	Mair	ntenance		Part Moved		
L	Heat Trea	it			Countersink	Misla	beled		Positioned \	Vrong	_
<u> </u>	Inspection	n Strip in	Tube	Ĺ	Cut Too Short	Misre	ead		Power Loss/	Surge	Other
	Ripples in	Bend			Drill Holes	Offse	t				
	Torque W	/aves in E	xtrusio	n [Drawing	Out	of Calibration				
. [Turning S	equence			Finish	Out	of Sequence				
	Wave/Tw	ist in Tub	oe .		Folio	Outs	de Dimensions				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

											DQA:	Date	e:
NCR:	Yes	/ No				WORK ORDER NON-C	COI	NFOR	MANCE / UPI	DATE		_	
						. .					QA Closed:	Date	e:
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part	No.					Rework Scrap Use-as-is	7	•	Skid-tube Machining noforming	Crosstube Small Fab Finishing	i	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR	No.					Work Order Update			Large Fab	Composite		Supplier	
Root					Descri	ption of work order update	T i	Initial	Act	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Ch	nief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data													
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Operator	Ш												
Material													
Setup													
Other													
Process													
Supplier	П		1						!				
Training	П						İ						
Unapproved	П						1						
							AUL	T CATE	GORY				
Landi	ing G	iear				General					_	_	
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorre	ct	Weld
	П	Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/l	Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
	П	Cuffs				Contamination		Mainte	enance		Part Moved	,	<u> </u>
ĺ	П	Heat Trea	it			Countersink		Mislabe	eled		Positioned V	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 94689 Page 3 December-19-12 2:52:40 PM *N900040100* Item ID: D3255-041 Accept Setup Start **Revision ID:** Access Panel Assembly Item Name: 12/19/12 Start Qty: 2.00 **Start Date: Cust Item ID:** Required Date: 1/11/13 **Req'd Qty:** 2.00 **Customer:** Reference: **Tooling:** Process Plan: Date: Date: Approvals: Date: SPC (Y/N): Date: Sequence ID/ Set Up/ Tool ID Tool # Plan Reject **Operation** Accept Reject Insp. Work Center ID Description Qty Number Stamp Code Qty **Run Hours** QC5- Inspect part completeness to step on W/O 160 *160* Memo Quality Control Identify as per dwg & Stock Location: 170 0.00 *170* 0.00 Packaging Memo Packaging

0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

180

QC

Quality Control

13/2/25 9

WU- 2525

										DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-C	ONFO	RN	MANCE / UPI		QA Closed:	Date:	
				Т		1						
Work Order:	• •				DISPOSITION	1.			AGAINST DE	PARTMENT	/PROCESS	
Part No).		•		Rework Scrap			Skid-tube Aachining	Crosstube Small Fab	Pro	Water Jet d. Eng. Coor.	Engineering Quality
NCR No					Use-as-is Work Order Update	The	erm	oforming Large Fab	Finishing Composite		re/Packaging Supplier	Other
Root			:	Descrip	tion of work order update	Initia	П	Act	ion	Sign &		
Cause	Date	Step	Qty	or	Non-conformance	Chief E	ng	Descr	ription	Date	Verification	QC Inspector
oc/Data												
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upplier	7]
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Inapproved												
					F	AULT CA	TEC	GORY			•	
Landing	Gear				General							· · ·

nding	Gear	General				_
	Bending	Bend	Grain (Ovalized	Pressure/Forced
	Centre Not Concentric to O/S	BOM/Route	Hardware		Over/Under tolerance	Temperature/Cure
	Cracks	Broken/Damaged	Inspection Incomplete		Part Incorrect	Weld
L	Crushed/Crimped	Burrs -	Instructions Incomplete/Unclear		Part Lost/Missing	Wrong Stock Pulled
	Cuffs	Contamination	Maintenance		Part Moved	
L	Heat Treat	Countersink	Mislabeled	L	Positioned Wrong	 _
	Inspection Strip in Tube	Cut Too Short	Misread -		Power Loss/Surge	Other
	Ripples in Bend	Drill Holes	Offset *			
	Torque Waves in Extrusion	Drawing	Out of Calibration			
	Turning Sequence	Finish	Out of Sequence			
	Wave/Twist in Tube	Folio	Outside Dimensions			

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December-19-12 2:52:40 PM

Work Order ID:

94689

Parent Item:

D3255-041

Parent Item Name:

Access Panel Assembly

Start Date: 12/19/12

Required Date: 1/11/13

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3255-1		Manufactured	No	(94)	333	100	Each	2.0000	1 /2	2			12
anel		ř.		•			i						/5~
	FX.			Location		Loc Qty	Lo	c Code					13-
				WA002		2							
				7219	91	2							
D3255-3		Manufactured	No			150	Each	12.0000	1	2			13-0:
Cap											u,		15-0
				Location		Loc Qty	Lo	c Code					
				WA001		2							
				7590	69	2							
				WA002		10			-				
•				8320	01	2			<u> </u>	a			
				861	097	8			_ 0				
D3255-5		Manufactured	No	h	raine. A	100	Each	4.0000	1	2		_	- 10/
Gasket										· · · · · · · · · · · · · · · · · · ·			B 13/02
				Location		Loc Qty	<u>L</u> d	e Code					
				GA		4							
				721	18	1							
				750	83	1	,						
				923	73	2	:						

8

WORK ORDER NON-CONFORMANCE / UPDATE QA Closed: Date: OVER Order: OUTS OF A CONTROL OF A CONTROL OR A CONTR	
Part No.	
Rework Skid-tube Crosstube Water Jet Engineering Machining Small Fab Prod. Eng. Coor. Quality	
Part No. Part No. Skid-tube Crosstube Prod. Eng. Coor. Quality]
Cause Date Step Qty or Non-conformance Chief Eng Description Date Verification QC Inspector pc/Data	_
oc/Data Doc/Data	
	r
ruip/Tooling	
	1
perator	
aterial aterial	
etup	
ther	
rocess	
upplier	
raining	
napproved	
FAULT CATEGORY	
Landing Gear General	
Bending Bend Grain Ovalized Pressure/Forced	
Centre Not Concentric to O/S BOM/Route Hardware Over/Under tolerance Temperature/Cu	re
Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld	
Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pull	ed
Cuffs Contamination Maintenance Part Moved	
Heat Treat Countersink Mislabeled Positioned Wrong	
Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other	
Ripples in Bend Drill Holes Offset	
Torque Waves in Extrusion Drawing Out of Calibration	
Turning Sequence Finish Out of Sequence	

Outside Dimensions

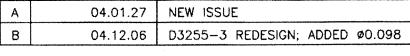
Wave/Twist in Tube

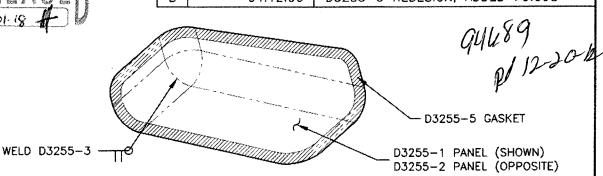
Folio

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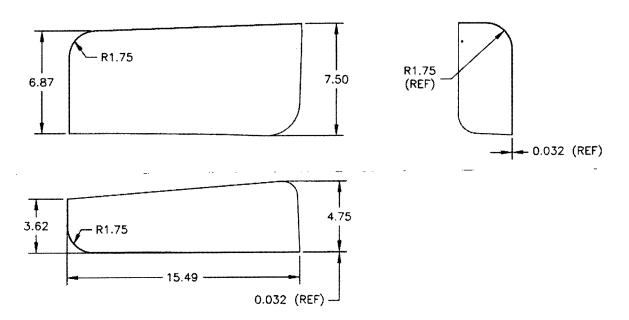


DESIG	本	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHEC	KED (A)	APPROVED	DRAWING NO.	REV. B
	W	- 	D3255 SHEET	1 OF 4
DATE			TITLE	SCALE
04.1	2.06		ACCESS PANEL ASSEMBLY	1:6
Α		04.01.27	NEW ISSUE	





D3255-041 ACCESS PANEL (SHOWN) D3255-042 ACCESS PANEL (OPPOSITE)



D3255-1 BEND DETAIL D3255-2 OPPOSITE

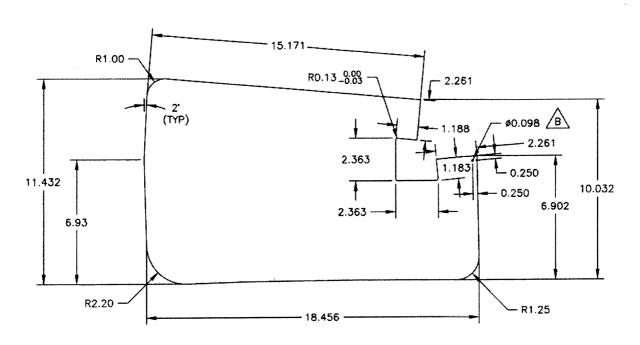
D3255-041/-042 NOTES: 1) WELD PER DART QSI 004

- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER QSI 005 4.3 3) INSTALL D3255-5 GASKET USING DOW CORNING P/N 736 ADHESIVE IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS
- 4) IDENTIFY WITH P/N & B/N USING FINE POINT PERMANENT MARKER



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CHECKED	APPROVED	DRAWING NO.	REV. B
9	1	D3255	SHEET 3 OF 4
DATE		TITLE	SCALE
04.12.06		ACCESS PANEL ASSEMBLY	1:5





94489

D3255-1/-2 FLAT PATTERN

D3255-1/-2 NOTES:

- 1) MATERIAL: AISI 304/316 SS 0.032 THICK (REF. M304S22GA)
 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

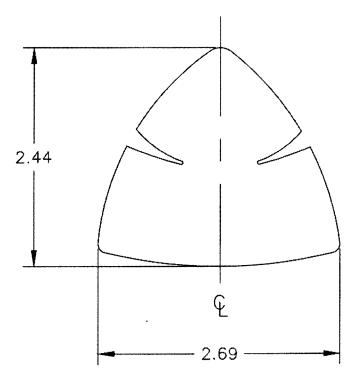
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97		D3255	SHEET 2 OF 4
DATE		TITLE	SCALE
04.12.06		TITLE	1:1





D3255-3 CAP FORM TO FIT D3155-1/-2

94489

D3255-3 NOTES:

- 1) MATERIAL: AISI 304/316 SS 0.032 THICK (REF. M304S22GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLÈSS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 6) MAKE PER DRAWING "D3255-B2.DWG"

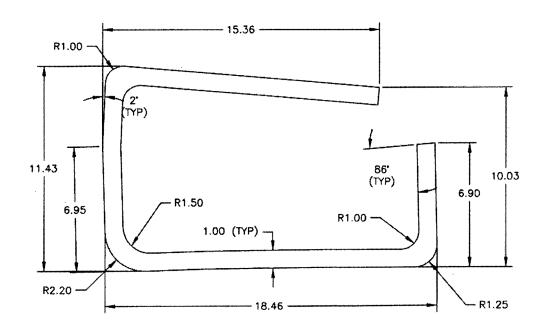
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DATE		TITLE	SCALE
04.12.06		ACCESS PANEL ASSEMBLY	1:5





D3255-5 GASKET

94689

D3255-5 NOTES:
1) MATERIAL: SILICONE COATED FIBERGLASS CLOTH PER AMS 3320F P/N SIL/F 36x36x1/16

POSSIBLE SUPPLER: AVIALL

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 3) ALL DIMENSIONS ARE IN INCHES